Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A method for processing video data for display on a display device having a plurality of luminous elements comprising:

   applying a dithering function to at least part of said video data, wherein the dithering improves a grey scale portrayal of video pictures of said video data,

   computing at least one motion vector <u>representing a moving object on a picture</u> from said video data,

   changing at least one of the phase, amplitude, spatial resolution and temporal resolution of said dithering function in accordance with said at least one motion vector when applying the dithering function to said video data; and

   outputting the dithered video data to ~~a~~ <u>the</u> display device <u>to eliminate a dithering pattern from appearing to a viewer observing the moving object on the picture</u>.

2. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said dithering function includes two spatial dimensions and one temporal dimension.

3. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said dithering function includes the application of a plurality of masks.

4. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said applying of said dithering function is based on single luminous elements of said display device.

5. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said dithering function is a 1-, 2-, 3- or 4- bit dithering function.

6. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said at least one motion vector is defined for each of a pixel or cell individually.

7 – 16 (CANCELLED)

17. (CURRENTLY AMENDED) A device for processing video data for display on a display device having a plurality of luminous elements, said device comprising:

dithering means for applying a dithering function to at least a part of said video data to refine a grey scale portrayal of video pictures of said video data; and

motion estimations means connected to said dithering means for computing at least one motion vector from said video data, wherein at least one of a phase, an amplitude, a spatial resolution and a temporal resolution of said dithering function is changeable in accordance with said at least one motion vector; and

<u>means for outputting said video data dithered to the display device to eliminate a dithering pattern from appearing to a viewer observing the moving object on the display device</u>.

18. (PREVIOUSLY PRESENTED) The device according to Claim 17, wherein said dithering function used by said dithering means includes two spatial dimensions and a temporal dimension.

19. (PREVIOUSLY PRESENTED) The device according to Claim 17, wherein said dithering function of said dithering means is based on a plurality of masks.

20. (PREVIOUSLY PRESENTED) The device according to Claim 17, wherein said dithering function of said dithering means is based on a single luminous element, said single luminous element called a cell of the display device.

21. (PREVIOUSLY PRESENTED) The device according to Claim 17, wherein said dithering means is able to process a 1-, 2-, 3- or 4-bit dithering function.

22. (PREVIOUSLY PRESENTED) The device according to Claim 17, wherein said at least one motion vector is definable for each pixel of the display device individually by said motion estimation means.

23. (PREVIOUSLY PRESENTED) The device according to Claim 17, wherein said at least one motion vector includes two spatial dimensions.

24. (PREVIOUSLY PRESENTED) The device according to Claim 17, further comprising gamma function means connected to said dithering means, so that the input signals of said dithering means are pre-corrected by a gamma function.

25. (PREVIOUSLY PRESENTED) The device according to Claim 17, further comprising controlling means connected to said dithering means for controlling said dithering means temporally in dependence of frames of said video data.